

Amendments to the Claims

Please note that "strikeout" matter is shown with larger-than-normal italic letters containing the strikeout horizontal marks such as in this example: *~~strikeout~~*.

1. (Original) A method for delivery of molecules into biological cells, comprising the steps of:

obtaining electrodes in an electrode assembly, wherein the electrodes have fixed electrode surfaces which are coated with at least one static layer of electrode releasable molecules to be delivered,

obtaining a waveform generator for generating electric fields,

establishing electrically conductive pathways between the electrodes and the waveform generator,

locating the electrodes such that the biological cells are situated therebetween, and

providing electric fields in the form of pulse waveforms from the waveform generator to the electrodes, such that molecules in the at least one static layer of the electrode releasable molecules on the electrodes are delivered into the biological cells.

2. (Original) The method of claim 1, further including the step of attaching the electrode assembly having the statically

coated electrodes to an electrode assembly holder for establishing electrically conductive pathways between the electrodes and the waveform generator.

3. (Original) The method of claim 1 wherein the electrode releasable molecules 44 include electric field separable molecules.

4. (Currently amended) The method of claim 1 wherein the electrode releasable molecules 44 include solvent separable material that is separable from the electrodes by a solvent.

5. (Currently amended) The method of claim 1 wherein the electrode releasable molecules 44 include electric field separable molecules and solvent separable material that is separable from the electrodes by a solvent.

6. (Original) The method of claim 1 wherein the fixed electrode surfaces 42 includes a water-insoluble polymer.

7. (Original) The method of claim 1 wherein the fixed electrode surfaces 42 include a water-insoluble polymer and a water-soluble polymer.

8. (Original) The method of claim 1 wherein an electrode surface itself serves as a fixed electrode surface.

9. (Original) The method of claim 1 wherein the fixed electrode surfaces include an oxidized metal surface.

10. (Original) The method of claim 1 wherein the fixed electrode surfaces include fixed metal particles.

11. (Original) The method of claim 1 wherein the fixed electrode surfaces include roughened surfaces.

12. (Currently amended) The method of claim 1 wherein the electrode releasable ~~material~~ molecules on the fixed electrode surfaces ~~includes include~~ a gel coating.

13. (Currently amended) The method of claim 1 wherein the electrode releasable ~~material~~ molecules on the fixed electrode surfaces ~~includes include~~ a solid ~~layer~~ of nonpolymeric material.

14. (Currently amended) The method of claim 1 wherein the electrode releasable ~~material~~ molecules on the fixed electrode surfaces ~~includes include~~ a polymer ~~layer~~.

15. (Original) A method for treating tissue cells, including the steps of:

(a) obtaining statically-coated electrodes which are statically-coated with molecules of an electrode releasable tissue treating agent,

(b) inserting the statically-coated electrodes into a tissue to be treated,

(c) releasing molecules of the electrode releasable tissue treating agent from the electrode, and

(d) applying electroporation pulses to the electrodes such that the released molecules of the electrode releasable tissue treating agent are driven into cells in the tissue.

16. (Original) The method of claim 15 wherein the tissue to be treated is skin tissue.

17. (Original) The method of claim 15 wherein the tissue to be treated is deep organ tissue.

18. (Original) The method of claim 15 wherein the tissue to be treated is muscle tissue.

19. (Original) The method of claim 15 wherein the molecules of the electrode releasable tissue treating agent are released from the electrodes by applying electrophoretic pulses to the electrodes.

20. (Original) The method of claim 15 wherein the molecules of the electrode releasable tissue treating agent are released from the electrodes by contacting the electrodes with a solvent.

21. (Original) A method for immunotherapy, including the steps of:

(a) obtaining statically-coated electrodes which are statically-coated with an immuno-stimulating material,

(b) inserting the statically-coated electrodes into a tissue to be treated,

(c) releasing the immuno-stimulating material from the electrode, and

(d) applying electroporation pulses to the electrodes such that the released immuno-stimulating material is driven into cells in the tissue.

22. (Original) The method of claim 21 wherein the immuno-stimulating material is released from the electrodes by applying electrophoretic pulses to the electrodes.

23. (Original) The method of claim 21 wherein the immuno-stimulating material is released from the electrodes by contacting the electrodes with a solvent.

24. (Original) The method of claim 21 wherein the immuno-stimulating material is released from the electrodes by

contacting the electrodes with a solvent which includes body fluids.

Claim 25. (Withdrawn)

Claim 26. (Withdrawn)

Claim 27. (Withdrawn)

Claim 28. (Withdrawn)

Claim 29. (Withdrawn)

Claim 30. (Withdrawn)

Claim 31. (Withdrawn)

Claim 32. (Withdrawn)

Claim 33. (Withdrawn)

Claim 34. (Withdrawn)

Claim 35. (Withdrawn)

Claim 36. (Withdrawn)

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Claim 41. (Withdrawn)

Claim 42. (Withdrawn)

Claim 43. (Withdrawn)

Claim 44. (Withdrawn)

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Claim 46. (Withdrawn)

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Claim 48. (Withdrawn)

Claim 49. (Withdrawn)

Claim 50. (Withdrawn)

Claim 51. (Withdrawn)